



## ENVIRONMENTAL PROTECTION AGENCY

### 40 CFR Part 52

[EPA-R04-OAR-2015-0362; FRL-9949-26-Region 4]

#### **Air Plan Approval; North Carolina Infrastructure Requirements for the 2010 Nitrogen Dioxide National Ambient Air Quality Standard**

**AGENCY:** Environmental Protection Agency.

**ACTION:** Proposed rule.

**SUMMARY:** The Environmental Protection Agency (EPA) is proposing to approve portions of the State Implementation Plan (SIP) submission, submitted by the State of North Carolina, through the North Carolina Department of Environment and Natural Resources (NC DENR), Division of Air Quality (NCDAQ) on August 23, 2013, for inclusion into the North Carolina SIP. This proposal pertains to the infrastructure requirements of the Clean Air Act (CAA or Act) for the 2010 1-hour nitrogen dioxide (NO<sub>2</sub>) national ambient air quality standards (NAAQS). The CAA requires that each state adopt and submit a SIP for the implementation, maintenance and enforcement of each NAAQS promulgated by EPA, which is commonly referred to as an “infrastructure” SIP submission. NCDAQ certified that the North Carolina SIP contains provisions that ensure the 2010 1-hour NO<sub>2</sub> NAAQS is implemented, enforced, and maintained in North Carolina. EPA is proposing to find that portions of North Carolina’s infrastructure SIP submission, provided to EPA on August 23, 2013, satisfy certain infrastructure elements for the 2010 1-hour NO<sub>2</sub> NAAQS.

**DATES:** Written comments must be received on or before [insert date 30 days after date of publication in the Federal Register].

**ADDRESSES:** Submit your comments, identified by Docket ID No. EPA-R04-OAR-2015-0362 at <http://www.regulations.gov>. Follow the online instructions for submitting comments. Once submitted, comments cannot be edited or removed from Regulations.gov. EPA may publish any comment received to its public docket. Do not submit electronically any information you consider to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Multimedia submissions (audio, video, etc.) must be accompanied by a written comment. The written comment is considered the official comment and should include discussion of all points you wish to make. EPA will generally not consider comments or comment contents located outside of the primary submission (i.e. on the web, cloud, or other file sharing system). For additional submission methods, the full EPA public comment policy, information about CBI or multimedia submissions, and general guidance on making effective comments, please visit <http://www2.epa.gov/dockets/commenting-epa-dockets>.

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## **SUPPLEMENTARY INFORMATION:**

### **I. Background and Overview**

On February 9, 2010, EPA published a new 1-hour primary NAAQS for NO<sub>2</sub> at a level of 100 parts per billion (ppb), based on a 3-year average of the 98th percentile of the yearly distribution of 1-hour daily maximum concentrations. *See* 75 FR 6474. Pursuant to section 110(a)(1) of the CAA, states are required to submit SIPs meeting the requirements of section

110(a)(2) within three years after promulgation of a new or revised NAAQS. Section 110(a)(2) requires states to address basic SIP requirements, including emissions inventories, monitoring, and modeling to assure attainment and maintenance of the NAAQS. States were required to submit such SIPs for the 2010 1-hour NO<sub>2</sub> NAAQS to EPA no later than January 22, 2013.<sup>1</sup>

This action is proposing to approve North Carolina's infrastructure submission for the applicable requirements of the 2010 1-hour NO<sub>2</sub> NAAQS, with the exception of the PSD permitting requirements for major sources of section 110(a)(2)(C) and (J), the interstate transport requirements of section 110(a)(2)(D)(i)(I) and (II) (prongs 1 through 4), and the state board requirements of 110(E)(ii). On November 3, 2015, EPA took final action to approve North Carolina's August 23, 2013, infrastructure SIP submission regarding the state board requirements of section 110(a)(2)(E)(ii), for the 2010 1-hour NO<sub>2</sub> NAAQS. *See* 80 FR 67645. Therefore, EPA is not proposing any action today pertaining to section 110(a)(2)(E)(ii). With respect to North Carolina's infrastructure SIP submission related to the provisions pertaining to the PSD permitting requirements for major sources of section 110(a)(2)(C) and (J) and the interstate transport requirements of section 110(a)(2)(D)(i)(I) and (II) (prongs 1 through 4), EPA is not proposing any action at this time. For the aspects of North Carolina's submittal proposed for approval today, EPA notes that the Agency is not approving any specific rule, but rather proposing that North Carolina's already approved SIP meets certain CAA requirements.

## **II. What Elements are Required under Sections 110(a)(1) and (2)?**

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<sup>1</sup> In these infrastructure SIP submissions states generally certify evidence of compliance with sections 110(a)(1) and (2) of the CAA through a combination of state regulations and statutes, some of which have been incorporated into the federally-approved SIP. In addition, certain federally-approved, non-SIP regulations may also be appropriate for demonstrating compliance with sections 110(a)(1) and (2). Unless otherwise indicated, the Title 15A regulations of the North Carolina Administrative Code ("15A NCAC") cited throughout this rulemaking have either been approved, or submitted for approval into North Carolina's federally-approved SIP. The North Carolina General Statutes ("NCGS") cited throughout this rulemaking, however, are not approved into the North Carolina SIP unless otherwise indicated.

Section 110(a) of the CAA requires states to submit SIPs to provide for the implementation, maintenance, and enforcement of a new or revised NAAQS within three years following the promulgation of such NAAQS, or within such shorter period as EPA may prescribe. Section 110(a) imposes the obligation upon states to make a SIP submission to EPA for a new or revised NAAQS, but the contents of that submission may vary depending upon the facts and circumstances. In particular, the data and analytical tools available at the time the state develops and submits the SIP for a new or revised NAAQS affects the content of the submission. The contents of such SIP submissions may also vary depending upon what provisions the state's existing SIP already contains. In the case of the 2010 1-hour NO<sub>2</sub> NAAQS, states typically have met the basic program elements required in section 110(a)(2) through earlier SIP submissions in connection with previous NAAQS.

More specifically, section 110(a)(1) provides the procedural and timing requirements for SIPs. Section 110(a)(2) lists specific elements that states must meet for “infrastructure” SIP requirements related to a newly established or revised NAAQS. As mentioned above, these requirements include basic SIP elements such as modeling, monitoring, and emissions inventories that are designed to assure attainment and maintenance of the NAAQS. The requirements that are the subject of this proposed rulemaking are listed below and in EPA's September 13, 2013, memorandum entitled “Guidance on Infrastructure State Implementation Plan (SIP) Elements under Clean Air Act Sections 110(a)(1) and 110(a)(2).”<sup>2</sup>

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<sup>2</sup> Two elements identified in section 110(a)(2) are not governed by the three year submission deadline of section 110(a)(1) because SIPs incorporating necessary local nonattainment area controls are not due within three years after promulgation of a new or revised NAAQS, but rather due at the time the nonattainment area plan requirements are due pursuant to section 172. These requirements are: (1) submissions required by section 110(a)(2)(C) to the extent that subsection refers to a permit program as required in part D Title I of the CAA; and (2) submissions required by section 110(a)(2)(I) which pertain to the nonattainment planning requirements of part D, Title I of the CAA. This proposed rulemaking does not address infrastructure elements related to section 110(a)(2)(I) or the nonattainment planning requirements of 110(a)(2)(C).

- 110(a)(2)(A): Emission Limits and Other Control Measures
- 110(a)(2)(B): Ambient Air Quality Monitoring/Data System
- 110(a)(2)(C): Programs for Enforcement of Control Measures and for Construction or Modification of Stationary Sources<sup>3</sup>
- 110(a)(2)(D)(i)(I) and (II): Interstate Pollution Transport
- 110(a)(2)(D)(ii): Interstate Pollution Abatement and International Air Pollution
- 110(a)(2)(E): Adequate Resources and Authority, Conflict of Interest, and Oversight of Local Governments and Regional Agencies
- 110(a)(2)(F): Stationary Source Monitoring and Reporting
- 110(a)(2)(G): Emergency Powers
- 110(a)(2)(H): SIP Revisions
- 110(a)(2)(I): Plan Revisions for Nonattainment Areas<sup>4</sup>
- 110(a)(2)(J): Consultation with Government Officials, Public Notification, and PSD and Visibility Protection
- 110(a)(2)(K): Air Quality Modeling and Submission of Modeling Data

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<sup>3</sup>This rulemaking only addresses requirements for this element as they relate to attainment areas.

<sup>4</sup> As mentioned above, this element is not relevant to this proposed rulemaking.

- 110(a)(2)(L): Permitting Fees
- 110(a)(2)(M): Consultation and Participation by Affected Local Entities

### **III. What is EPA’s Approach to the Review of Infrastructure SIP Submissions?**

EPA is acting upon the SIP submission from North Carolina that addresses the infrastructure requirements of CAA sections 110(a)(1) and 110(a)(2) for the 2010 1-hour NO<sub>2</sub> NAAQS. The requirement for states to make a SIP submission of this type arises out of CAA section 110(a)(1). Pursuant to section 110(a)(1), states must make SIP submissions “within 3 years (or such shorter period as the Administrator may prescribe) after the promulgation of a national primary ambient air quality standard (or any revision thereof),” and these SIP submissions are to provide for the “implementation, maintenance, and enforcement” of such NAAQS. The statute directly imposes on states the duty to make these SIP submissions, and the requirement to make the submissions is not conditioned upon EPA’s taking any action other than promulgating a new or revised NAAQS. Section 110(a)(2) includes a list of specific elements that “[e]ach such plan” submission must address.

EPA has historically referred to these SIP submissions made for the purpose of satisfying the requirements of CAA sections 110(a)(1) and 110(a)(2) as “infrastructure SIP” submissions. Although the term “infrastructure SIP” does not appear in the CAA, EPA uses the term to distinguish this particular type of SIP submission from submissions that are intended to satisfy other SIP requirements under the CAA, such as “nonattainment SIP” or “attainment plan SIP” submissions to address the nonattainment planning requirements of part D of title I of the CAA, “regional haze SIP” submissions required by EPA rule to address the visibility protection

requirements of CAA section 169A, and nonattainment new source review (NNSR) permit program submissions to address the permit requirements of CAA, title I, part D.

Section 110(a)(1) addresses the timing and general requirements for infrastructure SIP submissions, and section 110(a)(2) provides more details concerning the required contents of these submissions. The list of required elements provided in section 110(a)(2) contains a wide variety of disparate provisions, some of which pertain to required legal authority, some of which pertain to required substantive program provisions, and some of which pertain to requirements for both authority and substantive program provisions.<sup>5</sup> EPA therefore believes that while the timing requirement in section 110(a)(1) is unambiguous, some of the other statutory provisions are ambiguous. In particular, EPA believes that the list of required elements for infrastructure SIP submissions provided in section 110(a)(2) contains ambiguities concerning what is required for inclusion in an infrastructure SIP submission.

The following examples of ambiguities illustrate the need for EPA to interpret some section 110(a)(1) and section 110(a)(2) requirements with respect to infrastructure SIP submissions for a given new or revised NAAQS. One example of ambiguity is that section 110(a)(2) requires that “each” SIP submission must meet the list of requirements therein, while EPA has long noted that this literal reading of the statute is internally inconsistent and would create a conflict with the nonattainment provisions in part D of title I of the Act, which specifically address nonattainment SIP requirements.<sup>6</sup> Section 110(a)(2)(I) pertains to

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<sup>5</sup> For example: Section 110(a)(2)(E)(i) provides that states must provide assurances that they have adequate legal authority under state and local law to carry out the SIP; section 110(a)(2)(C) provides that states must have a SIP-approved program to address certain sources as required by part C of title I of the CAA; and section 110(a)(2)(G) provides that states must have legal authority to address emergencies as well as contingency plans that are triggered in the event of such emergencies.

<sup>6</sup> *See, e.g.*, “Rule To Reduce Interstate Transport of Fine Particulate Matter and Ozone (Clean Air Interstate Rule); Revisions to Acid Rain Program; Revisions to the NOx SIP Call; Final Rule,” 70 FR 25162, at 25163 – 65 (May 12, 2005) (explaining relationship between timing requirement of section 110(a)(2)(D) versus section 110(a)(2)(I)).

nonattainment SIP requirements and part D addresses when attainment plan SIP submissions to address nonattainment area requirements are due. For example, section 172(b) requires EPA to establish a schedule for submission of such plans for certain pollutants when the Administrator promulgates the designation of an area as nonattainment, and section 107(d)(1)(B) allows up to two years, or in some cases three years, for such designations to be promulgated.<sup>7</sup> This ambiguity illustrates that rather than apply all the stated requirements of section 110(a)(2) in a strict literal sense, EPA must determine which provisions of section 110(a)(2) are applicable for a particular infrastructure SIP submission.

Another example of ambiguity within sections 110(a)(1) and 110(a)(2) with respect to infrastructure SIPs pertains to whether states must meet all of the infrastructure SIP requirements in a single SIP submission, and whether EPA must act upon such SIP submission in a single action. Although section 110(a)(1) directs states to submit “a plan” to meet these requirements, EPA interprets the CAA to allow states to make multiple SIP submissions separately addressing infrastructure SIP elements for the same NAAQS. If states elect to make such multiple SIP submissions to meet the infrastructure SIP requirements, EPA can elect to act on such submissions either individually or in a larger combined action.<sup>8</sup> Similarly, EPA interprets the

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<sup>7</sup> EPA notes that this ambiguity within section 110(a)(2) is heightened by the fact that various subparts of part D set specific dates for submission of certain types of SIP submissions in designated nonattainment areas for various pollutants. Note, e.g., that section 182(a)(1) provides specific dates for submission of emissions inventories for the ozone NAAQS. Some of these specific dates are necessarily later than three years after promulgation of the new or revised NAAQS.

<sup>8</sup> See, e.g., “Approval and Promulgation of Implementation Plans; New Mexico; Revisions to the New Source Review (NSR) State Implementation Plan (SIP); Prevention of Significant Deterioration (PSD) and Nonattainment New Source Review (NNSR) Permitting,” 78 FR 4339 (January 22, 2013) (EPA’s final action approving the structural PSD elements of the New Mexico SIP submitted by the State separately to meet the requirements of EPA’s 2008 PM<sub>2.5</sub> NSR rule), and “Approval and Promulgation of Air Quality Implementation Plans; New Mexico; Infrastructure and Interstate Transport Requirements for the 2006 PM<sub>2.5</sub> NAAQS,” (78 FR 4337) (January 22, 2013) (EPA’s final action on the infrastructure SIP for the 2006 PM<sub>2.5</sub> NAAQS).



CAA to allow it to take action on the individual parts of one larger, comprehensive infrastructure SIP submission for a given NAAQS without concurrent action on the entire submission. For example, EPA has sometimes elected to act at different times on various elements and sub-elements of the same infrastructure SIP submission.<sup>9</sup>

Ambiguities within sections 110(a)(1) and 110(a)(2) may also arise with respect to infrastructure SIP submission requirements for different NAAQS. Thus, EPA notes that not every element of section 110(a)(2) would be relevant, or as relevant, or relevant in the same way, for each new or revised NAAQS. The states' attendant infrastructure SIP submissions for each NAAQS therefore could be different. For example, the monitoring requirements that a state might need to meet in its infrastructure SIP submission for purposes of section 110(a)(2)(B) could be very different for different pollutants because the content and scope of a state's infrastructure SIP submission to meet this element might be very different for an entirely new NAAQS than for a minor revision to an existing NAAQS.<sup>10</sup>

EPA notes that interpretation of section 110(a)(2) is also necessary when EPA reviews other types of SIP submissions required under the CAA. Therefore, as with infrastructure SIP submissions, EPA also has to identify and interpret the relevant elements of section 110(a)(2) that logically apply to these other types of SIP submissions. For example, section 172(c)(7) requires that attainment plan SIP submissions required by part D have to meet the "applicable requirements" of section 110(a)(2). Thus, for example, attainment plan SIP submissions must

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<sup>9</sup> On December 14, 2007, the State of Tennessee, through the Tennessee Department of Environment and Conservation, made a SIP revision to EPA demonstrating that the State meets the requirements of sections 110(a)(1) and (2). EPA proposed action for infrastructure SIP elements (C) and (J) on January 23, 2012 (77 FR 3213) and took final action on March 14, 2012 (77 FR 14976). On April 16, 2012 (77 FR 22533) and July 23, 2012 (77 FR 42997), EPA took separate proposed and final actions on all other section 110(a)(2) infrastructure SIP elements of Tennessee's December 14, 2007 submittal.

<sup>10</sup> For example, implementation of the 1997 PM<sub>2.5</sub> NAAQS required the deployment of a system of new monitors to measure ambient levels of that new indicator species for the new NAAQS.

meet the requirements of section 110(a)(2)(A) regarding enforceable emission limits and control measures and section 110(a)(2)(E)(i) regarding air agency resources and authority. By contrast, it is clear that attainment plan SIP submissions required by part D would not need to meet the portion of section 110(a)(2)(C) that pertains to the PSD program required in part C of title I of the CAA, because PSD does not apply to a pollutant for which an area is designated nonattainment and thus subject to part D planning requirements. As this example illustrates, each type of SIP submission may implicate some elements of section 110(a)(2) but not others.

Given the potential for ambiguity in some of the statutory language of section 110(a)(1) and section 110(a)(2), EPA believes that it is appropriate to interpret the ambiguous portions of section 110(a)(1) and section 110(a)(2) in the context of acting on a particular SIP submission. In other words, EPA assumes that Congress could not have intended that each and every SIP submission, regardless of the NAAQS in question or the history of SIP development for the relevant pollutant, would meet each of the requirements, or meet each of them in the same way. Therefore, EPA has adopted an approach under which it reviews infrastructure SIP submissions against the list of elements in section 110(a)(2), but only to the extent each element applies for that particular NAAQS.

Historically, EPA has elected to use guidance documents to make recommendations to states for infrastructure SIPs, in some cases conveying needed interpretations on newly arising issues and in some cases conveying interpretations that have already been developed and applied to individual SIP submissions for particular elements.<sup>11</sup> EPA most recently issued guidance for

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<sup>11</sup> EPA notes, however, that nothing in the CAA requires EPA to provide guidance or to promulgate regulations for infrastructure SIP submissions. The CAA directly applies to states and requires the submission of infrastructure SIP submissions, regardless of whether or not EPA provides guidance or regulations pertaining to such submissions. EPA elects to issue such guidance in order to assist states, as appropriate.

infrastructure SIPs on September 13, 2013 (2013 Guidance).<sup>12</sup> EPA developed this document to provide states with up-to-date guidance for infrastructure SIPs for any new or revised NAAQS. Within this guidance, EPA describes the duty of states to make infrastructure SIP submissions to meet basic structural SIP requirements within three years of promulgation of a new or revised NAAQS. EPA also made recommendations about many specific subsections of section 110(a)(2) that are relevant in the context of infrastructure SIP submissions.<sup>13</sup> The guidance also discusses the substantively important issues that are germane to certain subsections of section 110(a)(2). Significantly, EPA interprets sections 110(a)(1) and 110(a)(2) such that infrastructure SIP submissions need to address certain issues and need not address others. Accordingly, EPA reviews each infrastructure SIP submission for compliance with the applicable statutory provisions of section 110(a)(2), as appropriate.

As an example, section 110(a)(2)(E)(ii) is a required element of section 110(a)(2) for infrastructure SIP submissions. Under this element, a state must meet the substantive requirements of section 128, which pertain to state boards that approve permits or enforcement orders and heads of executive agencies with similar powers. Thus, EPA reviews infrastructure SIP submissions to ensure that the state's implementation plan appropriately addresses the requirements of section 110(a)(2)(E)(ii) and section 128. The 2013 Guidance explains EPA's interpretation that there may be a variety of ways by which states can appropriately address these

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<sup>12</sup> "Guidance on Infrastructure State Implementation Plan (SIP) Elements under Clean Air Act Sections 110(a)(1) and 110(a)(2)," Memorandum from Stephen D. Page, September 13, 2013.

<sup>13</sup> EPA's September 13, 2013, guidance did not make recommendations with respect to infrastructure SIP submissions to address section 110(a)(2)(D)(i)(I). EPA issued the guidance shortly after the U.S. Supreme Court agreed to review the D.C. Circuit decision in *EME Homer City*, 696 F.3d7 (D.C. Cir. 2012) which had interpreted the requirements of section 110(a)(2)(D)(i)(I). In light of the uncertainty created by ongoing litigation, EPA elected not to provide additional guidance on the requirements of section 110(a)(2)(D)(i)(I) at that time. As the guidance is neither binding nor required by statute, whether EPA elects to provide guidance on a particular section has no impact on a state's CAA obligations.

substantive statutory requirements, depending on the structure of an individual state's permitting or enforcement program (*e.g.*, whether permits and enforcement orders are approved by a multi-member board or by a head of an executive agency). However they are addressed by the state, the substantive requirements of section 128 are necessarily included in EPA's evaluation of infrastructure SIP submissions because section 110(a)(2)(E)(ii) explicitly requires that the state satisfy the provisions of section 128.

As another example, EPA's review of infrastructure SIP submissions with respect to the PSD program requirements in sections 110(a)(2)(C), (D)(i)(II), and (J) focuses upon the structural PSD program requirements contained in part C and EPA's PSD regulations. Structural PSD program requirements include provisions necessary for the PSD program to address all regulated sources and new source review (NSR) pollutants, including greenhouse gases (GHGs). By contrast, structural PSD program requirements do not include provisions that are not required under EPA's regulations at 40 CFR 51.166 but are merely available as an option for the state, such as the option to provide grandfathering of complete permit applications with respect to the 2012 fine particulate matter (PM<sub>2.5</sub>) NAAQS. Accordingly, the latter optional provisions are types of provisions EPA considers irrelevant in the context of an infrastructure SIP action.

For other section 110(a)(2) elements, however, EPA's review of a state's infrastructure SIP submission focuses on assuring that the state's implementation plan meets basic structural requirements. For example, section 110(a)(2)(C) includes, among other things, the requirement that states have a program to regulate minor new sources. Thus, EPA evaluates whether the state has an EPA-approved minor NSR program and whether the program addresses the pollutants relevant to that NAAQS. In the context of acting on an infrastructure SIP submission, however, EPA does not think it is necessary to conduct a review of each and every provision of a state's

existing minor source program (*i.e.*, already in the existing SIP) for compliance with the requirements of the CAA and EPA's regulations that pertain to such programs.

With respect to certain other issues, EPA does not believe that an action on a state's infrastructure SIP submission is necessarily the appropriate type of action in which to address possible deficiencies in a state's existing SIP. These issues include: (i) existing provisions related to excess emissions from sources during periods of startup, shutdown, or malfunction that may be contrary to the CAA and EPA's policies addressing such excess emissions ("SSM"); (ii) existing provisions related to "director's variance" or "director's discretion" that may be contrary to the CAA because they purport to allow revisions to SIP-approved emissions limits while limiting public process or not requiring further approval by EPA; and (iii) existing provisions for PSD programs that may be inconsistent with current requirements of EPA's "Final NSR Improvement Rule," 67 FR 80186 (December 31, 2002), as amended by 72 FR 32526 (June 13, 2007) ("NSR Reform"). Thus, EPA believes it may approve an infrastructure SIP submission without scrutinizing the totality of the existing SIP for such potentially deficient provisions and may approve the submission even if it is aware of such existing provisions.<sup>14</sup> It is important to note that EPA's approval of a state's infrastructure SIP submission should not be construed as explicit or implicit re-approval of any existing potentially deficient provisions that relate to the three specific issues just described.

EPA's approach to review of infrastructure SIP submissions is to identify the CAA requirements that are logically applicable to that submission. EPA believes that this approach to the review of a particular infrastructure SIP submission is appropriate, because it would not be

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<sup>14</sup> By contrast, EPA notes that if a state were to include a new provision in an infrastructure SIP submission that contained a legal deficiency, such as a new exemption for excess emissions during SSM events, then EPA would need to evaluate that provision for compliance against the rubric of applicable CAA requirements in the context of the action on the infrastructure SIP.

reasonable to read the general requirements of section 110(a)(1) and the list of elements in 110(a)(2) as requiring review of each and every provision of a state's existing SIP against all requirements in the CAA and EPA regulations merely for purposes of assuring that the state in question has the basic structural elements for a functioning SIP for a new or revised NAAQS. Because SIPs have grown by accretion over the decades as statutory and regulatory requirements under the CAA have evolved, they may include some outmoded provisions and historical artifacts. These provisions, while not fully up to date, nevertheless may not pose a significant problem for the purposes of "implementation, maintenance, and enforcement" of a new or revised NAAQS when EPA evaluates adequacy of the infrastructure SIP submission. EPA believes that a better approach is for states and EPA to focus attention on those elements of section 110(a)(2) of the CAA most likely to warrant a specific SIP revision due to the promulgation of a new or revised NAAQS or other factors.

For example, EPA's 2013 Guidance gives simpler recommendations with respect to carbon monoxide than other NAAQS pollutants to meet the visibility requirements of section 110(a)(2)(D)(i)(II), because carbon monoxide does not affect visibility. As a result, an infrastructure SIP submission for any future new or revised NAAQS for carbon monoxide need only state this fact in order to address the visibility prong of section 110(a)(2)(D)(i)(II). Finally, EPA believes that its approach with respect to infrastructure SIP requirements is based on a reasonable reading of sections 110(a)(1) and 110(a)(2) because the CAA provides other avenues and mechanisms to address specific substantive deficiencies in existing SIPs. These other statutory tools allow EPA to take appropriately tailored action, depending upon the nature and severity of the alleged SIP deficiency. Section 110(k)(5) authorizes EPA to issue a "SIP call" whenever the Agency determines that a state's implementation plan is substantially

inadequate to attain or maintain the NAAQS, to mitigate interstate transport, or to otherwise comply with the CAA.<sup>15</sup> Section 110(k)(6) authorizes EPA to correct errors in past actions, such as past approvals of SIP submissions.<sup>16</sup> Significantly, EPA's determination that an action on a state's infrastructure SIP submission is not the appropriate time and place to address all potential existing SIP deficiencies does not preclude EPA's subsequent reliance on provisions in section 110(a)(2) as part of the basis for action to correct those deficiencies at a later time. For example, although it may not be appropriate to require a state to eliminate all existing inappropriate director's discretion provisions in the course of acting on an infrastructure SIP submission, EPA believes that section 110(a)(2)(A) may be among the statutory bases that EPA relies upon in the course of addressing such deficiency in a subsequent action.<sup>17</sup>

#### **IV. What is EPA's Analysis of How North Carolina Addressed the Elements of the Sections 110(a)(1) and (2) "Infrastructure" Provisions?**

North Carolina's infrastructure submission addresses the provisions of sections 110(a)(1) and (2) as described below.

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<sup>15</sup> For example, EPA issued a SIP call to Utah to address specific existing SIP deficiencies related to the treatment of excess emissions during SSM events. See "Finding of Substantial Inadequacy of Implementation Plan; Call for Utah State Implementation Plan Revisions," 74 FR 21639 (April 18, 2011).

<sup>16</sup> EPA has used this authority to correct errors in past actions on SIP submissions related to PSD programs. See "Limitation of Approval of Prevention of Significant Deterioration Provisions Concerning Greenhouse Gas Emitting-Sources in State Implementation Plans; Final Rule," 75 FR 82536 (December 30, 2010). EPA has previously used its authority under CAA section 110(k)(6) to remove numerous other SIP provisions that the Agency determined it had approved in error. See, e.g., 61 FR 38664 (July 25, 1996) and 62 FR 34641 (June 27, 1997) (corrections to American Samoa, Arizona, California, Hawaii, and Nevada SIPs); 69 FR 67062 (November 16, 2004) (corrections to California SIP); and 74 FR 57051 (November 3, 2009) (corrections to Arizona and Nevada SIPs).

<sup>17</sup> See, e.g., EPA's disapproval of a SIP submission from Colorado on the grounds that it would have included a director's discretion provision inconsistent with CAA requirements, including section 110(a)(2)(A). See, e.g., 75 FR 42342 at 42344 (July 21, 2010) (proposed disapproval of director's discretion provisions); 76 FR 4540 (January 26, 2011) (final disapproval of such provisions).

**1. 110(a)(2)(A): *Emission limits and other control measures:*** Section 110(a)(2)(A) requires that each implementation plan include enforceable emission limitations and other control measures, means, or techniques (including economic incentives such as fees, marketable permits, and auctions of emissions rights), as well as schedules and timetables for compliance, as may be necessary or appropriate to meet the applicable requirements. These requirements are met through several North Carolina Administrative Code (NCAC) regulations. Specifically, 15A NCAC 2D .0500 *Emission Control Standards* establishes emission limits for NO<sub>2</sub>. The following rules address additional control measures, means and techniques: 15A NCAC 2D .0600 *Monitoring: Recordkeeping: Reporting*, and 15A NCAC 2D .2600 *Source Testing*. In addition, NCGS 143-215.107(a)(5), *Air quality standards and classifications*, provides the North Carolina Environmental Management Commission (EMC) with the statutory authority, “To develop and adopt emission control standards as in the judgment of the Commission may be necessary to prohibit, abate, or control air pollution commensurate with established air quality standards.” EPA has made the preliminary determination that the cited provisions are adequate for enforceable emission limitations and other control measures, means, or techniques, as well as schedules and timetables for compliance for the 2010 1-hour NO<sub>2</sub> NAAQS in the State.

In this action, EPA is not proposing to approve or disapprove any existing State provisions with regard to excess emissions during SSM of operations at a facility. EPA believes that a number of states have SSM provisions which are contrary to the CAA and existing EPA guidance, “State Implementation Plans: Policy Regarding Excess Emissions During Malfunctions, Startup, and Shutdown” (September 20, 1999), and the Agency is addressing such



state regulations in a separate action.<sup>18</sup>

Additionally, in this action, EPA is not proposing to approve or disapprove any existing State rules with regard to director's discretion or variance provisions. EPA believes that a number of states have such provisions which are contrary to the CAA and existing EPA guidance (52 FR 45109 (November 24, 1987)), and the Agency plans to take action in the future to address such state regulations. In the meantime, EPA encourages any state having a director's discretion or variance provision which is contrary to the CAA and EPA guidance to take steps to correct the deficiency as soon as possible.

**2. 110(a)(2)(B) *Ambient air quality monitoring/data system*:** Section 110(a)(2)(B) requires SIPs to provide for establishment and operation of appropriate devices, methods, systems, and procedures necessary to: (i) monitor, compile, and analyze data on ambient air quality, and (ii) upon request, make such data available to the Administrator. NCGS 143-215.107(a)(2), *Air quality standards and classifications*, provides the EMC with the statutory authority "To determine by means of field sampling and other studies, including the examination of available data collected by any local, State or federal agency or any person, the degree of air contamination and air pollution in the State and the several areas of the State."

Annually, states develop and submit to EPA for approval statewide ambient monitoring network plans consistent with the requirements of 40 CFR parts 50, 53, and 58. The annual network plan involves an evaluation of any proposed changes to the monitoring network, and includes the annual ambient monitoring network design plan and a certified evaluation of the

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<sup>18</sup> On June 12, 2015, EPA published a final action entitled, "State Implementation Plans: Response to Petition for Rulemaking; Restatement and Update of EPA's SSM Policy Applicable to SIPs; Findings of Substantial Inadequacy; and SIP Calls to Amend Provisions Applying to Excess Emissions During Periods of Startup, Shutdown, and Malfunction." See 80 FR 33840.

state's ambient monitors and auxiliary support equipment.<sup>19</sup> The latest monitoring network plan for North Carolina was submitted to EPA on July 23, 2015, and on November 19, 2015, EPA approved this plan. North Carolina's approved monitoring network plan can be accessed at [www.regulations.gov](http://www.regulations.gov) using Docket ID No. EPA-R04-OAR-2015-0362.

NCGS 143-215.107(a)(2), EPA regulations, along with North Carolina's Ambient Air Monitoring Network Plan, provide for the establishment and operation of ambient air quality monitors, the compilation and analysis of ambient air quality data, and the submission of these data to EPA upon request. EPA has made the preliminary determination that North Carolina's SIP and practices are adequate for the ambient air quality monitoring and data system requirements related to the 2010 1-hour NO<sub>2</sub> NAAQS.

**3. 110(a)(2)(C) *Program for Enforcement of Control Measures and for Construction or Modification of Stationary Sources:*** This element consists of three sub-elements: enforcement, state-wide regulation of new and modified minor sources and minor modifications of major sources; and preconstruction permitting of major sources and major modifications in areas designated attainment or unclassifiable for the subject NAAQS as required by CAA title I part C (i.e., the major source PSD program). To meet these obligations, North Carolina cited the following regulations: 15A NCAC 2D. 0500 *Emissions Control Standards*; 15A NCAC 2D. 0530 *Prevention of Significant Deterioration*; 15A NCAC 2D. 0531 *Sources in Nonattainment Areas*; 15A NCAC 2Q .0300 *Construction Operation Permits*; and 15A NCAC 2Q .0500 *Title V Procedures*. Collectively, these regulations enable North Carolina to regulate sources contributing to the 2010 1-hour NO<sub>2</sub> NAAQS through enforceable permits. North Carolina also cited to the following statutory provisions as supporting this element: NCGS 143-215.108,

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<sup>19</sup> On occasion, proposed changes to the monitoring network are evaluated outside of the network plan approval process in accordance with 40 CFR part 58.

*Control of sources of air pollution; permits required; NCGS 143-215.107(a)(7), Air quality standards and classifications; and NCGS 143-215.6A, 6B, and 6C, Enforcement procedures: civil penalties, criminal penalties, and injunctive relief.*

In this action, EPA is proposing to approve North Carolina's infrastructure SIP for the 2010 1-hour NO<sub>2</sub> NAAQS with respect to the general requirement in section 110(a)(2)(C) to include a program in the SIP for enforcement of NO<sub>2</sub> emissions controls and measures and the regulation of minor sources and modifications to assist in the protection of air quality in nonattainment, attainment or unclassifiable areas.

**Enforcement:** NC DAQ's above-described, SIP-approved regulations provide for enforcement of NO<sub>2</sub> emission limits and control measures through enforceable permits. In addition, North Carolina cited NCGS 143-215.6A, 6B, and 6C, *Enforcement procedures: civil penalties, criminal penalties, and injunctive relief*, which provides NC DENR with the statutory authority to seek civil and criminal penalties, and injunctive relief to enforce air quality rules.

**Preconstruction PSD Permitting for Major Sources:** With respect to North Carolina's infrastructure SIP submission related to the preconstruction PSD permitting requirements for major sources of section 110(a)(2)(C), EPA is not proposing any action today regarding these requirements and instead will act on this portion of the submission in a separate action.

**Regulation of minor sources and modifications:** Section 110(a)(2)(C) also requires the SIP to include provisions that govern the minor source program that regulates emissions of the 2010 1-hour NO<sub>2</sub> NAAQS. Regulation 15A NCAC 2Q .0300 *Construction Operation Permits* governs the preconstruction permitting of minor modifications and construction of minor stationary sources.

EPA has made the preliminary determination that North Carolina's SIP is adequate for enforcement of control measures and regulation of minor sources and construction or modifications related to the 2010 1-hour NO<sub>2</sub> NAAQS.

**4. 110(a)(2)(D)(i) *Interstate Pollution Transport*:** Section 110(a)(2)(D)(i) has two components; 110(a)(2)(D)(i)(I) and 110(a)(2)(D)(i)(II). Each of these components have two subparts resulting in four distinct components, commonly referred to as “prongs,” that must be addressed in infrastructure SIP submissions. The first two prongs, which are codified in section 110(a)(2)(D)(i)(I), are provisions that prohibit any source or other type of emissions activity in one state from contributing significantly to nonattainment of the NAAQS in another state (“prong 1”), and interfering with maintenance of the NAAQS in another state (“prong 2”). The third and fourth prongs, which are codified in section 110(a)(2)(D)(i)(II), are provisions that prohibit emissions activity in one state from interfering with measures required to prevent significant deterioration of air quality in another state (“prong 3”), or to protect visibility in another state (“prong 4”). With respect to North Carolina's infrastructure SIP in relation to the interstate transport requirements of section 110(a)(2)(D)(i)(I) and 110(a)(2)(D)(i)(II) (prongs 1 through 4), EPA is not proposing any action today regarding these requirements.

**5. 110(a)(2)(D)(ii) *Interstate Pollution Abatement and International Air Pollution*:** Section 110(a)(2)(D)(ii) requires SIPs to include provisions ensuring compliance with sections 115 and 126 of the Act relating to interstate and international pollution abatement. Regulations 15A NCAC 2D .0530, *Prevention of Significant Deterioration*, and 15A NCAC 2D .0531, *Sources of Nonattainment Areas*, provide how NCDAQ will notify neighboring states of potential impacts from new or modified sources consistent with the requirements of 40 CFR 51.166. These regulations require NC DAQ to provide an opportunity for a public hearing to the public, which

includes state or local air pollution control agencies, “whose lands may be affected by emissions from the source or modification” in North Carolina. In addition, North Carolina does not have any pending obligation under sections 115 and 126 of the CAA. Accordingly, EPA has made the preliminary determination that North Carolina’s SIP is adequate for ensuring compliance with the applicable requirements relating to interstate and international pollution abatement for the 2010 1-hour NO<sub>2</sub> NAAQS.

**6. 110(a)(2)(E) Adequate Resources and Authority, Conflict of Interest, and Oversight of**

**Local Governments and Regional Agencies:** Section 110(a)(2)(E) requires that each implementation plan provide: (i) necessary assurances that the State will have adequate personnel, funding, and authority under state law to carry out its implementation plan, (ii) that the State comply with the requirements respecting State Boards pursuant to section 128 of the Act, and (iii) necessary assurances that, where the State has relied on a local or regional government, agency, or instrumentality for the implementation of any plan provision, the State has responsibility for ensuring adequate implementation of such plan provisions. EPA is proposing to approve North Carolina’s SIP as meeting the requirements of sub-elements 110(a)(2)(E)(i) and (iii). With respect to North Carolina’s August 23, 2013, infrastructure SIP submission related to the state board requirements of section 110(a)(2)(E)(ii), EPA took final action to approve these provisions for the 2010 1-hour NO<sub>2</sub> NAAQS on November 3, 2015. *See* 80 FR 67645. EPA’s rationale for today’s proposal respecting sub-elements (i) and (iii) is described below.

To satisfy the requirements of sections 110(a)(2)(E)(i) and (iii), North Carolina’s infrastructure SIP submission cites several regulations. Rule 15A NCAC 2Q. 0200, *Permit Fees*,

provides the mechanism by which stationary sources that emit air pollutants pay a fee based on the quantity of emissions. State statutes NCGS 143-215.3, *General Powers of Commission and Department: Auxiliary Powers*, and NCGS 143-215.107(a)(1), *Air Quality Standards and Classifications*, provide the EMC with the statutory authority “[t]o prepare and develop, after proper study, a comprehensive plan or plans for the prevention, abatement and control of air pollution in the State or in any designated area of the State.” NCGS 143-215.112, *Local air pollution control programs*, provides the EMC with the statutory authority “to review and have general oversight and supervision over all local air pollution control programs.” North Carolina has three local air agencies located in Buncombe, Forsyth, and Mecklenburg Counties that implement the air program in these areas.

As further evidence of the adequacy of NCDAQ’s resources with respect to sub-elements (i) and (iii), EPA submitted a letter to North Carolina on April 19, 2016, outlining section 105 grant commitments and the current status of these commitments for fiscal year 2015. The letter EPA submitted to North Carolina can be accessed at [www.regulations.gov](http://www.regulations.gov) using Docket ID No. EPA-R04-OAR-2015-0362. Annually, states update these grant commitments based on current SIP requirements, air quality planning, and applicable requirements related to the NAAQS. North Carolina satisfactorily met all commitments agreed to in the Air Planning Agreement for fiscal year 2015, therefore North Carolina’s grants were finalized and closed out. Collectively, these rules and commitments provide evidence that NC DAQ has adequate personnel, funding, and legal authority to carry out the State’s implementation plan and related issues. EPA has made the preliminary determination that North Carolina has adequate resources and authority to satisfy sections 110(a)(2)(E)(i) and (iii), North Carolina has adequate resources for implementation of the 2010 1-hour NO<sub>2</sub> NAAQS.

**7. 110(a)(2)(F) Stationary source monitoring system:** Section 110(a)(2)(F) requires SIPs to meet applicable requirements addressing: (i) the installation, maintenance, and replacement of equipment, and the implementation of other necessary steps, by owners or operators of stationary sources to monitor emissions from such sources, (ii) periodic reports on the nature and amounts of emissions and emissions related data from such sources, and (iii) correlation of such reports by the state agency with any emission limitations or standards established pursuant to this section, which reports shall be available at reasonable times for public inspection. North Carolina's infrastructure submission describes how the State establishes requirements for emissions compliance testing and utilizes emissions sampling and analysis.

NC DAQ uses these data to track progress towards maintaining the NAAQS, develop control and maintenance strategies, identify sources and general emission levels, and determine compliance with emission regulations and additional EPA requirements. North Carolina meets these requirements through 15A NCAC 2D .0604 *Exceptions to Monitoring and Reporting Requirements*; 15A NCAC 2D .0605 *General Recordkeeping and Reporting Requirements*; 15A NCAC 2D .0611 *Monitoring Emissions from Other Sources*; 15A NCAC 2D .0612 *Alternative Monitoring and Reporting Procedures*; 15A NCAC 2D .0613 *Quality Assurance Program*; and 15A NCAC 2D .0614 *Compliance Assurance Monitoring*. In addition, 15A NCAC 2D .0605(c) *General Recordkeeping and Reporting Requirements* allows for the use of credible evidence in the event that the NCDAQ Director has evidence that a source is violating an emission standard or permit condition, the Director may require that the owner or operator of any source submit to the Director any information necessary to determine the compliance status of the source. In addition, EPA is unaware of any provision preventing the use of credible evidence in the North Carolina SIP. Also, NCGS 143-215.107(a)(4), *Air quality standards and classifications*,

provides the EMC with the statutory authority “To collect information or to require reporting from classes of sources which, in the judgment of the [EMC], may cause or contribute to air pollution.”

Stationary sources are required to submit periodic emissions reports to the State by Rule 15A NCAC 2Q .0207 “Annual Emissions Reporting.” North Carolina is also required to submit emissions data to EPA for purposes of the National Emissions Inventory (NEI). The NEI is EPA’s central repository for air emissions data. EPA published the AERR on December 5, 2008, which modified the requirements for collecting and reporting air emissions data (73 FR 76539). The AERR shortened the time states had to report emissions data from 17 to 12 months, giving states one calendar year to submit emissions data. All states are required to submit a comprehensive emissions inventory every three years and report emissions for certain larger sources annually through EPA’s online Emissions Inventory System. States report emissions data for the six criteria pollutants and the precursors that form them – nitrogen oxides, sulfur dioxide, ammonia, lead, carbon monoxide, particulate matter, and volatile organic compounds. Many states also voluntarily report emissions of hazardous air pollutants. North Carolina made its latest update to the 2011 NEI on December 5, 2014. EPA compiles the emissions data, supplementing it where necessary, and releases it to the general public through the website <http://www.epa.gov/ttn/chief/eiinformation.html>. EPA has made the preliminary determination that North Carolina’s SIP and practices are adequate for the stationary source monitoring systems related to the 2010 1-hour NO<sub>2</sub> NAAQS. Accordingly, EPA is proposing to approve North Carolina’s infrastructure SIP submission with respect to section 110(a)(2)(F).

**8. 110(a)(2)(G) *Emergency Powers*:** Section 110(a)(2)(G) requires that states demonstrate authority comparable with section 303 of the CAA and adequate contingency plans to implement



such authority. North Carolina's infrastructure SIP submission cites 15A NCAC 2D .0300, *Air Pollution Emergencies*, as identifying air pollution emergency episodes and preplanned abatement strategies, and provides the means to implement emergency air pollution episode measures. Under NCGS 143-215.3(a)(12), *General powers of Commission and Department; auxiliary powers*, if NC DENR finds that such a "condition of . . . air pollution exists and that it creates an emergency requiring immediate action to protect the public health and safety or to protect fish and wildlife, the Secretary of the Department [NC DENR] with the concurrence of the Governor, shall order persons causing or contributing to the . . . air pollution in question to reduce or discontinue immediately the emission of air contaminants or the discharge of wastes." In addition, NCGS 143-215.3(a)(12) provides NC DENR with the authority to declare an emergency when it finds that a generalized condition of water or air pollution which is causing imminent danger to the health or safety of the public. This statute also allows, in the absence of a generalized condition of air pollution, should the Secretary find "that the emissions from one or more air contaminant sources... is causing imminent danger to human health and safety or to fish and wildlife, he may with the concurrence of the Governor order the person or persons responsible for the operation or operations in question to immediately reduce or discontinue the emissions of air contaminants... or to take such other measures as are, in his judgment, necessary." EPA has made the preliminary determination that North Carolina's SIP submission is adequate to satisfy the emergency powers obligations of the 2010 1-hour NO<sub>2</sub> NAAQS.

**9. 110(a)(2)(H) *Future SIP Revisions:*** Section 110(a)(2)(H), in summary, requires each SIP to provide for revisions of such plan (i) as may be necessary to take account of revisions of such national primary or secondary ambient air quality standard or the availability of improved or more expeditious methods of attaining such standard, and (ii) whenever the Administrator finds

that the plan is substantially inadequate to attain the NAAQS or to otherwise comply with any additional applicable requirements. NC DAQ is responsible for adopting air quality rules and revising SIPs as needed to attain or maintain the NAAQS in North Carolina. NCGS 143-215.107(a)(1) and (a)(10) grant NC DAQ the authority to prepare and develop, after proper study, a comprehensive plan for the prevention of air pollution and implement the CAA, respectively. These provisions also provide NC DAQ the ability and authority to respond to calls for SIP revisions, and North Carolina has provided a number of SIP revisions over the years for implementation of the NAAQS. In addition, State regulation 15A NCAC 2D .2401(d) states that “The EMC may specify through rulemaking a specific emission limit lower than that established under this rule for a specific source if compliance with the lower emission limit is required to attain or maintain the ambient air quality standard for ozone or PM<sub>2.5</sub> or any other ambient air quality standard in Section 15A NCAC 2D .0400.” EPA has made the preliminary determination that North Carolina’s SIP and practices adequately demonstrate a commitment to provide future SIP revisions related to the 2010 1-hour NO<sub>2</sub> NAAQS when necessary.

**10. 110(a)(2)(J) Consultation with Government Officials, Public Notification, and PSD and Visibility Protection:** EPA is proposing to approve North Carolina’s infrastructure SIP submission for the 2010 1-hour NO<sub>2</sub> NAAQS with respect to the general requirement in section 110(a)(2)(J) to include a program in the SIP that provides for meeting the applicable consultation requirements of section 121, the public notification requirements of section 127, and the visibility requirements. With respect to North Carolina’s infrastructure SIP submission related to the preconstruction PSD permitting, EPA is not proposing any action today regarding these requirements and instead will act on these portions of the submission in a separate action. EPA’s

rationale for its proposed action regarding applicable consultation requirements of section 121, the public notification requirements of section 127, and visibility is described below.

**Consultation with government officials (121 consultation):** Section 110(a)(2)(J) of the CAA requires states to provide a process for consultation with local governments, designated organizations and federal land managers (FLMs) carrying out NAAQS implementation requirements pursuant to section 121 relative to consultation. Rules 15A NCAC 2D .0531, *Sources in a Nonattainment Areas*, 2D .1600, *General Conformity*, 2D .2000, *Transportation Conformity*, along with the State's Regional Haze Implementation Plan, (which allows for consultation between appropriate state, local, and tribal air pollution control agencies as well as the corresponding FLMs), provide for consultation with government officials whose jurisdictions might be affected by SIP development activities. North Carolina adopted state-wide consultation procedures for the implementation of transportation conformity. Implementation of transportation conformity as outlined in the consultation procedures requires NC DAQ to consult with Federal, state and local transportation and air quality agency officials on the development of motor vehicle emissions budgets. The Regional Haze SIP provides for consultation between appropriate state, local, and tribal air pollution control agencies as well as the corresponding FLMs. EPA has made the preliminary determination that North Carolina's SIP and practices adequately demonstrate consultation with government officials related to the 2010 1-hour NO<sub>2</sub> NAAQS when necessary.

**Public notification (127 public notification):** Rule 15A NCAC 2D .0300 *Air Pollution Emergencies* provides North Carolina with the authority to declare an emergency and notify the public accordingly when it finds a generalized condition of water or air pollution which is causing imminent danger to the health or safety of the public. Additionally, the NC DAQ has the

North Carolina Air Awareness Program which is a program to educate the public on air quality issues and promote voluntary emission reduction measures. The NC DAQ also features a web page providing ambient monitoring information regarding current and historical air quality across the State at <http://www.ncair.org/monitor/>. North Carolina participates in the EPA AirNOW program, which enhances public awareness of air quality in North Carolina and throughout the country. EPA has made the preliminary determination that North Carolina's SIP and practices adequately demonstrate the State's ability to provide public notification related to the 2010 1-hour NO<sub>2</sub> NAAQS when necessary for the public notification element of section 110(a)(2)(J).

**Visibility protection:** EPA's 2013 Guidance notes that it does not treat the visibility protection aspects of section 110(a)(2)(J) as applicable for purposes of the infrastructure SIP approval process. NC DENR referenced its regional haze program as germane to the visibility component of section 110(a)(2)(J). EPA recognizes that states are subject to visibility protection and regional haze program requirements under part C of the Act (which includes sections 169A and 169B). However, there are no newly applicable visibility protection obligations after the promulgation of a new or revised NAAQS. Thus, EPA has determined that states do not need to address the visibility component of 110(a)(2)(J) in infrastructure SIP submittals so NC DENR does not need to rely on its regional haze program to fulfill its obligations under section 110(a)(2)(J). As such, EPA has made the preliminary determination that North Carolina's infrastructure SIP submission is approvable for the visibility protection element of section 110(a)(2)(J) related to the 2010 1-hour NO<sub>2</sub> NAAQS and that North Carolina does not need to rely on its regional haze program to satisfy this element.

**11. 110(a)(2)(K) *Air Quality Modeling and Submission of Modeling Data*:** Section

110(a)(2)(K) of the CAA requires that SIPs provide for performing air quality modeling so that effects on air quality of emissions from NAAQS pollutants can be predicted and submission of such data to EPA can be made. This infrastructure requirement is met through emissions data collected through 15A NCAC 2D .0600 *Monitoring: Recordkeeping: Reporting* (authorized under NCGS 143-215.107(a)(4)), which provides information to model potential impact of major and some minor sources. 15A NCAC 2D .0530 *Prevention of Significant Deterioration* and 15A NCAC 2D .0531 *Sources in Nonattainment Areas* require that air modeling be conducted in accordance with 40 CFR part 51, Appendix W, *Guideline on Air Quality Models*. NCGS 143-215.107(a) also provides authority for the EMC to determine by means of field sampling and other studies, the degree of air contamination and air pollution in the State. These regulations demonstrate that North Carolina has the authority to perform air quality modeling and to provide relevant data for the purpose of predicting the effect on ambient air quality of the 2010 1-hour NO<sub>2</sub> NAAQS. The NC DAQ currently has personnel with training and experience to conduct source-oriented dispersion modeling that would likely be used in NO<sub>2</sub> NAAQS applications with models approved by EPA. Additionally, North Carolina participates in a regional effort to coordinate the development of emissions inventories and conduct regional modeling for several NAAQS, including the 2010 1-hour NO<sub>2</sub> NAAQS, for the Southeastern states. Taken as a whole, North Carolina's air quality regulations and practices demonstrate that NC DAQ has the authority to provide relevant data for the purpose of predicting the effect on ambient air quality of any emissions of any pollutant for which a NAAQS has been promulgated, and to provide such information to the EPA Administrator upon request. EPA has made the preliminary determination that North Carolina's SIP and practices adequately demonstrate the State's ability

to provide for air quality and modeling, along with analysis of the associated data, related to the 2010 1-hour NO<sub>2</sub> NAAQS when necessary.

**12. 110(a)(2)(L) *Permitting fees*:** Section 110(a)(2)(L) requires the owner or operator of each major stationary source to pay to the permitting authority, as a condition of any permit required under the CAA, a fee sufficient to cover (i) the reasonable costs of reviewing and acting upon any application for such a permit, and (ii) if the owner or operator receives a permit for such source, the reasonable costs of implementing and enforcing the terms and conditions of any such permit (not including any court costs or other costs associated with any enforcement action), until such fee requirement is superseded with respect to such sources by the Administrator's approval of a fee program under title V.

To satisfy these requirements, North Carolina's infrastructure SIP submission cites Regulation 15A NCAC 2Q .0200 *Permit Fees*, which requires the owner or operator of each major stationary source to pay to the permitting authority, as a condition of any permit required under the CAA, a sufficient fee to cover the costs of the permitting program. Additionally, North Carolina has a fully approved title V operating permit program at 15A NCAC.0500 *Emissions Control Standards* and 2Q .0500, *Title V Procedures*,<sup>20</sup> which include provisions to implement and enforce PSD and NNSR permits once Title V permits have been issued. The fees collected under 15A NCAC 2Q .0200 also support this activity. NCGS 143-215.3, *General powers of Commission and Department; auxiliary Powers*, provides authority for NC DAQ to require a processing fee in an amount sufficient for the reasonable cost of reviewing and acting upon PSD and NNSR permits. EPA has made the preliminary determination that North Carolina's SIP and

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<sup>20</sup> Title V program regulations are federally-approved but not incorporated into the federally-approved SIP.

practices adequately provide for permitting fees related to the 2010 1-hour NO<sub>2</sub> NAAQS, when necessary.

**13. 110(a)(2)(M) Consultation/participation by affected local entities:** Section 110(a)(2)(M) of the Act requires states to provide for consultation and participation in SIP development by local political subdivisions affected by the SIP. Rule 15A NCAC 2Q .0530, *Prevention of Significant Deterioration*, requires that the NCDAQ notify the public, including affected local entities, of PSD permit applications and associated information related to PSD permits, and the opportunity for comment prior to making final permitting decisions. NCGS 150B-21.1 and 150B-21.2 authorize and require NCDAQ to advise, consult, cooperate and enter into agreements with other agencies of the state, the Federal government, other states, interstate agencies, groups, political subdivisions, and industries affected by the provisions of this act, rules, or policies of the Department. Also, Rule 15A NCAC 2D .2000 *Transportation Conformity* requires consultation with all affected partners to be implemented for transportation conformity determinations. Furthermore, NC DAQ has demonstrated consultation with, and participation by, affected local entities through its work with local political subdivisions during the developing of its Transportation Conformity SIP, Regional Haze Implementation Plan, and the 8-Hour Ozone Attainment Demonstration for the North Carolina portion of the Charlotte-Gastonia-Rock Hill NC-SC nonattainment area. EPA has made the preliminary determination that North Carolina's SIP and practices adequately demonstrate consultation with affected local entities related to the 2010 1-hour NO<sub>2</sub> NAAQS when necessary.

## **V. Proposed Action**

EPA is proposing to approve that portions of NCDAQ's infrastructure SIP submission, submitted August 23, 2013, for the 2010 1-hour NO<sub>2</sub> NAAQS, has met the above described

infrastructure SIP requirements. EPA is proposing to approve these portions of North Carolina's infrastructure SIP submission for the 2010 1-hour NO<sub>2</sub> NAAQS because these aspects of the submission are consistent with section 110 of the CAA. The PSD permitting requirements for major sources of section 110(a)(2)(C) and (J), the interstate transport requirements of section 110(a)(2)(D)(i)(I) and (II) (prongs 1 through 4), will not be addressed by EPA at this time. EPA has already taken action to approve North Carolina's infrastructure SIP submission related to section 110(a)(2)(E)(ii) for the 2010 NO<sub>2</sub> NAAQS.

## **VI. Statutory and Executive Order Reviews**

Under the CAA, the Administrator is required to approve a SIP submission that complies with the provisions of the Act and applicable federal regulations. *See* 42 U.S.C. 7410(k); 40 CFR 52.02(a). Thus, in reviewing SIP submissions, EPA's role is to approve state choices, provided that they meet the criteria of the CAA. Accordingly, this proposed action merely approves state law as meeting federal requirements and does not impose additional requirements beyond those imposed by state law. For that reason, this proposed action:

- Is not a significant regulatory action subject to review by the Office of Management and Budget under Executive Orders 12866 (58 FR 51735, October 4, 1993) and 13563 (76 FR 3821, January 21, 2011);
- Does not impose an information collection burden under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*);
- Is certified as not having a significant economic impact on a substantial number of small entities under the Regulatory Flexibility Act (5 U.S.C. 601 *et seq.*);



- Does not contain any unfunded mandate or significantly or uniquely affect small governments, as described in the Unfunded Mandates Reform Act of 1995 (Public Law 104-4);
- Does not have Federalism implications as specified in Executive Order 13132 (64 FR 43255, August 10, 1999);
- Is not an economically significant regulatory action based on health or safety risks subject to Executive Order 13045 (62 FR 19885, April 23, 1997);
- Is not a significant regulatory action subject to Executive Order 13211 (66 FR 28355, May 22, 2001);
- Is not subject to requirements of section 12(d) of the National Technology Transfer and Advancement Act of 1995 (15 U.S.C. 272 note) because application of those requirements would be inconsistent with the CAA; and
- Does not provide EPA with the discretionary authority to address, as appropriate, disproportionate human health or environmental effects, using practicable and legally permissible methods, under Executive Order 12898 (59 FR 7629, February 16, 1994).

The SIP is not approved to apply on any Indian reservation land or in any other area where EPA or an Indian tribe has demonstrated that a tribe has jurisdiction. In those areas of Indian country, the rule does not have tribal implications as specified by Executive Order 13175 (65 FR 67249, November 9, 2000), nor will it impose substantial direct costs on tribal governments or preempt tribal law.

## **List of Subjects in 40 CFR Part 52**

Environmental protection, Air pollution control, Incorporation by reference,  
Intergovernmental relations, Nitrogen dioxide, Reporting and recordkeeping requirements.

Authority: 42 U.S.C. 7401 *et seq.*

Dated: July 8, 2016.

Heather McTeer Toney

Regional Administrator,

Region 4.

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